

Serial No.10/807,041

Listing of Claims:

Claim 1 (currently amended) In combination with a loudspeaker assembly that includes a speaker diaphragm that is displaced to produce sound, the combination comprising

a) a spinner mounted to rotate in the path of sound waves produced by the speaker diaphragm; and

b) the spinner defining sound wave passing through openings, in said path,

c) the spinner comprising

i) a hub, and

ii) spaced apart arms extending outward from said hub,

d) and including a drive that rotates the spinner at a speed causing said arms to audibly modulate sound waves passing through openings between the arms[[.]],

e) the arms having varying widths along arm lengths which extend generally radially,

f) and including braces in the path of said sound waves and connected to the arms at locations along their lengths.

Serial No.10/807,041

Claim 2 (previously presented) The combination of claim 1 wherein the spinner substantially spans said path.

Claim 3 (cancelled)

Claim 4 (previously presented) The combination of claim 1 wherein said arms have spaced apart extents between which said openings are formed.

Claim 5 (previously presented) The combination of claim 1 wherein said drive comprises an electric motor positioned between said diaphragm and said spinner.

Claim 6 (currently amended) The combination of claim [[3]] 1 wherein said drive comprises an electric motor positioned between said diaphragm and said hub, and operatively connected to the hub.

Claim 7 (previously presented) The combination of claim 1 including a front plate defined by said assembly, the plate defining an aperture in alignment with said openings, the plate carrying the diaphragm.

Claim 8 (previously presented) The combination of claim 7 including an interior support carried by the plate and carrying spinner drive.

Claim 9 (currently amended) The combination of claim [[3]] 1 wherein said braces form an undulating loop configuration. ~~wherein the arms have varying widths along arm lengths which extend generally radially.~~

Claim 10 (currently amended) In combination with a loudspeaker assembly that includes a speaker diaphragm that is displaced to produce sound, the combination comprising

- a) a spinner mounted to rotate in the path of sound waves produced by the speaker diaphragm;
- b) the spinner defining sound wave passing through openings, in said path,
- c) the spinner comprising,
 - i) a hub, and
 - ii) spaced apart arms extending outwardly from said hub,
- d) the arms having varying widths along arm lengths which extend generally radially,

e) and including braces in the path of said sound waves and connected to the arms lesser widths at locations along their lengths[[]],

f) said braces extending in a generally looping direction or directions about an axis defined by the spinner.

Claim 11 (cancelled)

Claim 12 (currently amended) In combination with a loudspeaker assembly that includes a speaker diaphragm that is displaced to produce sound, the combination comprising

a) a spinner mounted to rotate in the path of sound waves produced by the speaker diaphragm;

b) the spinner defining sound wave passing through openings, in said path,

c) the spinner comprising,

i) a hub, and

ii) spaced apart arms extending outwardly from said hub,

d) the arms having varying widths along arm lengths which extend generally radially,

e) and including a drive that rotates the spinner at a speed causing said varying width arms to discernibly and audibly modulate sound waves passing through the openings between the arms[[]],

f) and including braces in the path of said sound waves and connected to the arms lesser widths at locations along their lengths,

g) said braces extending in a generally looping direction or directions about an axis defined by the spinner.

Claim 13 (previously presented) The combination of claim 12 including said diaphragm that is generally concave toward the spinner.

Claim 14 (previously presented) The combination of claim 13 wherein the drive is generally centrally located at an axis defined by the spinner, and supports the spinner for rotation, the drive located between the spinner and diaphragm.

Claim 15 (previously presently) The combination of claim 8 including a mounting ring carrying said support and carried by said plate.

Claim 16 (currently amended) In combination with a loudspeaker assembly that includes a speaker diaphragm that is displaced to produce sound, the combination comprising

a) a spinner mounted to rotate in the path of sound waves produced by the speaker diaphragm; and
b) a rotary drive for rotating the spinner,
c) the spinner defining sound wave passing

through openings, in said path, and rotating at a rate such that said sound waves are audibly modulated in passing through said openings[[.]],

d) the spinner comprising,

i) a hub, and

ii) spaced apart arms extending outwardly
from said hub,

e) the arms having varying widths along arm
lengths which extend generally radially,

f) and including a drive that rotates the
spinner at a speed causing said varying width arms to
discernibly and audibly modulate sound waves passing through
the openings between the arms,

g) and including braces in the path of said sound
waves and connected to the arms lesser widths at locations
along their lengths.

Claim 17 (previously presented) The combination of claim 16 wherein the spinner substantially spans said path.

Claim 18. (currently amended) The combination of claim 15 wherein the spinner also has narrow arm pairs that terminate at or proximate said braces. ~~element comprises:~~

~~iii) a hub, and~~

~~iv) spaced apart arms extending outwardly
from said hub.~~

Claim 19 (previously presented) The combination of claim 18 wherein said arms have spaced apart extents between which said openings are formed.

Claim 20 (previously presented) The combination of claim 16 including a front plate defined by said assembly, the plate defining an aperture in alignment with said openings, the plate carrying the diaphragm.

Claim 21 (previously presented) The combination of claim 18 wherein the arms have varying width along arm lengths which extend generally radially.

Serial No.10/807,041

Claim 22 (previously presented) The combination of claim 21 including braces in the path of said sound waves and connected to the arms at locations along their lengths.

Claim 23 (previously presented) The combination of claim 16 including said diaphragm that is generally concave toward the spinner.

Claim 24 (previously amended) The combination of claim 20 including an interior support carried by the plate, and a mounting ring carrying said support and carried by said plate.